

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

To:

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NOTIFICATION OF TRANSMITTAL
OF INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(Rule 71.1 PCT)

Date of mailing
(day/month/year) 12.01.2004

Applicant's or agent's file reference

IMPORTANT NOTIFICATION

2002p02472WO

International application No.
PCT/DE 03/00857

International filing date (day/month/year)
17.03.2003

Priority date (day/month/year)
28.03.2002

Applicant
SIEMENS AKTIENGESELLSCHAFT et al.

1. The applicant is hereby notified that the International Preliminary Examining Authority commissioned with the international preliminary examination transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices (Article 39(1))) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(Article 36 and Rule 70 PCT)

Applicant's or agent's file reference **FOR FURTHER ACTION** See Notification of Transmittal of
2002p02472WO International Preliminary Examination
Report (Form PCT/IPEA/416)

International application No. International filing date (*day/month/year*) Priority date (*day/month/year*)
PCT/DE 03/00857 17.03.2003 28.03.2002

International Patent Classification (IPC) or national classification and IPC
F01K17/00

Applicant

SIEMENS AKTIENGESELLSCHAFT et al.

1. This international preliminary examination report has been prepared by the International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

- ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand
17.09.2003

Date of completion of this report
07.07.2004

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1. Basis of the report

1. **Constituent parts** of the international application (*replacement sheets furnished to the office of application following a request under Article 14 shall be deemed in the context of this report to have been "originally submitted" and are not annexed to it, because they do not contain any amendments (Rules 70.16 and 70.17)*):

Patent claims, No.:

1-5 received on 17.03.2004 with letter dated 16.03.2004

2. **Language:** All above-mentioned constituent parts were available to the authority in the language in which the international application was submitted or were submitted therein, unless specified otherwise under this item.

The constituent parts were available to the authority in the language or were submitted to it in this language; this relates to

- ☐ the language of the translation submitted for the purposes of the international search (under Rule 23.1(b)).
- ☐ the publication language of the international application (under Rule 48.3(b)).
- ☐ the language of the translation submitted for the purposes of the international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide sequence and/or amino-acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished submitted to this authority in written form.
- ☐ furnished subsequently to this authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. Because of the amendments the following documents have been omitted:

- ☐ Description, pages:
- ☐ Claims, No.:
- ☐ Drawings, sheet:

5. ☐ This report was issued without account being taken of (some of) the amendments, since for the reasons stated in the opinion of the authority these go beyond the disclosure in the version originally submitted (Rule 70.2(c)).

(Reference is made under Point 1 to replacement sheets containing such amendments; they are to be annexed to this report).

6. Any additional remarks:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statements

1. Statement

Novelty (N)	Yes:	Claims	1-5
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-5
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-5
	No:	Claims	

2. Citations and explanations:

(see supplementary sheet)

Reference is made to the following documents:

B3 D1: *US-A-4 942 734 (DESSANTI DANIEL J ET AL) 24 July 1990*

B5 D2: *US-A-3 041 853 (STANLEY HARWICH) 3 July 1962*

Re Point V

Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statements

Independent Claim 1:

Document D2 is viewed as the closest prior art with respect to the subject matter of Claim 1. It discloses a refrigerating method having an absorption-type refrigeration machine, wherein the absorption-type refrigeration machine is not driven by steam from a steam turbine. In document D1, a generator assumes the role of the expeller.

Furthermore, document D2 contains no references of any kind to air-conditioning of buildings.

For these reasons the subject matter of Claim 1 satisfies the requirements of the PCT with regard to novelty and inventive step.

Dependent Claims 2 to 5:

Claims 2 to 5 are dependent on Claim 1 and therefore also satisfy the requirements of the PCT with regard to novelty and inventive step.

Other comments:

Contrary to the requirements of Rule 5.1 a) ii) PCT, no reference is made in the description either to the relevant prior art disclosed in the documents D1 and D2 or to those documents.

Claims

1. Use of a power station (1) comprising at least one steam turbine (5), wherein, for generating refrigeration, at least one
5 absorption-type refrigeration machine (10) is linked to the steam turbine (5), and wherein the absorption-type refrigeration machine (10) is operated by means of steam (12) taken from the steam turbine (5), preferably extracted steam (12) from a low-pressure section (9) of the steam turbine (5), for centralized air-
10 conditioning of a plurality of buildings.

2. Use according to claim 1,
wherein at least a part of the steam (1) taken from the steam turbine (5) is routed to a heat exchanger (20) for heating a
15 heating medium (28), preferably hot water.

3. Use according to one of claims 1 or 2,
wherein the power station (1) furthermore includes at least one gas turbine (30) whose waste heat is used for generating operating
20 steam (B) for the steam turbine (5), with the absorption-type refrigeration machine (10) being used, additionally or alternatively to refrigerating other consumers (32) of refrigeration, for refrigerating intake air (L) for the gas turbine (30).

25 4. Use of a power station (50) comprising at least one gas turbine (52), wherein, for generating refrigeration, at least one absorption-type refrigeration machine (100) is linked to the gas turbine (52), with the absorption-type
30 refrigeration machine (100) being operated by means of waste heat (AH, AH') of the gas turbine (52), for centralized air-conditioning of a plurality of buildings.

5. Use according to claim 4, wherein the absorption-type
35 refrigeration machine (100) is used, additionally or alternatively to refrigerating other consumers (32) of refrigeration, for refrigerating intake air (L) for the gas turbine (30).